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ON THE THEORY OF THE HALL AND NERNST-ETTINGHAUSEN EFFECTS IN MIXED-CONDUCTION SEMICONDUCTORS. [1962] 21p. 5 refs.
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DESCRIPTORS: *Semiconductors, Hall effect, Electrons, Magnetic fields, Impurities, Theory.

The Hall and Nernst-Ettinghausen electromotive forces and the distribution of carrier concentrations are calculated for a mixed-conduction semiconductor in a nonuniform magnetic field. Taken into account are the presence of impurity levels and carrier recombination. (Author)

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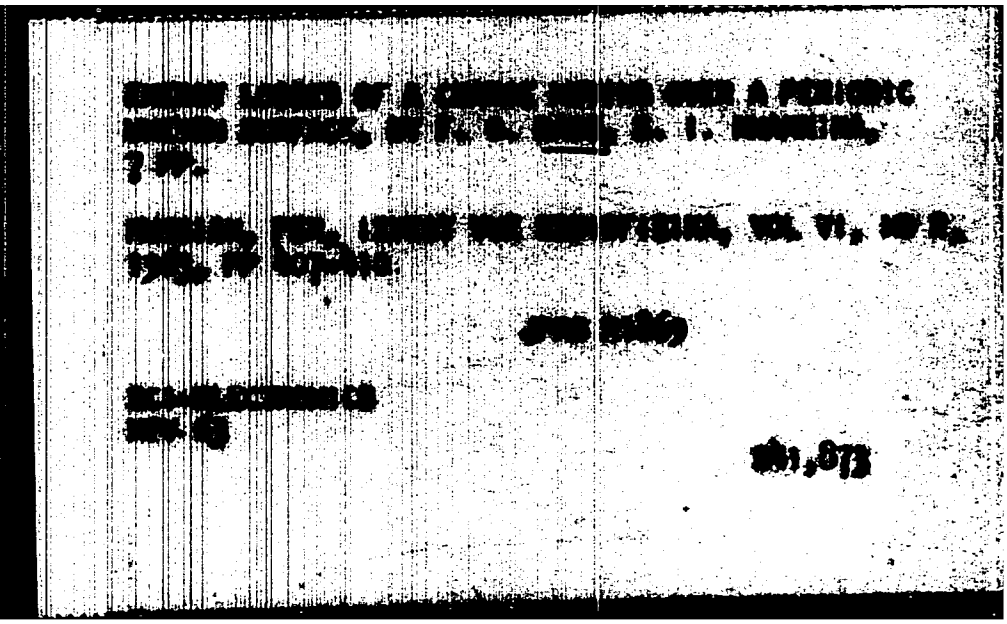

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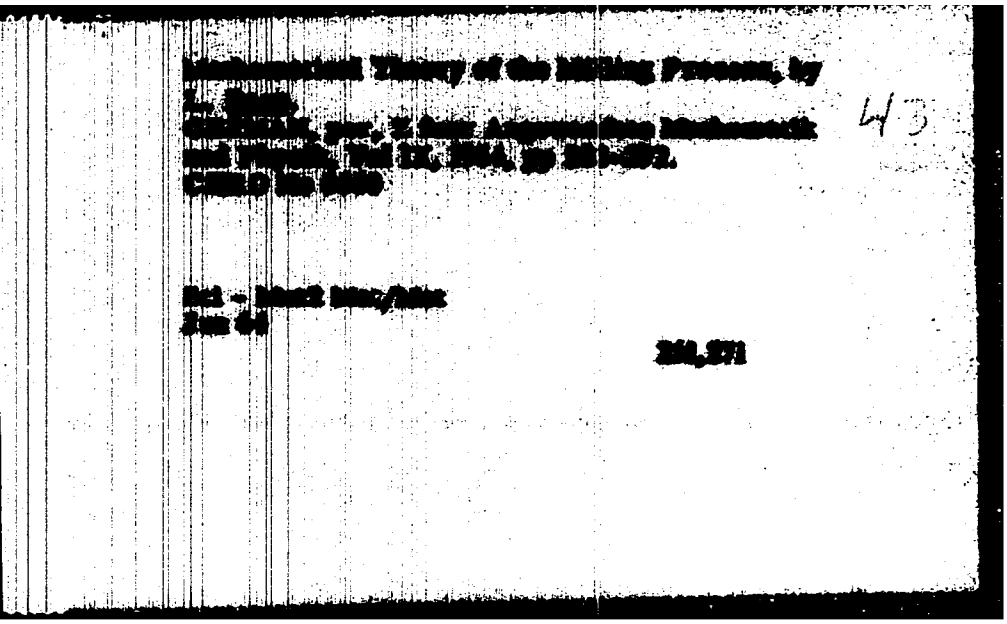

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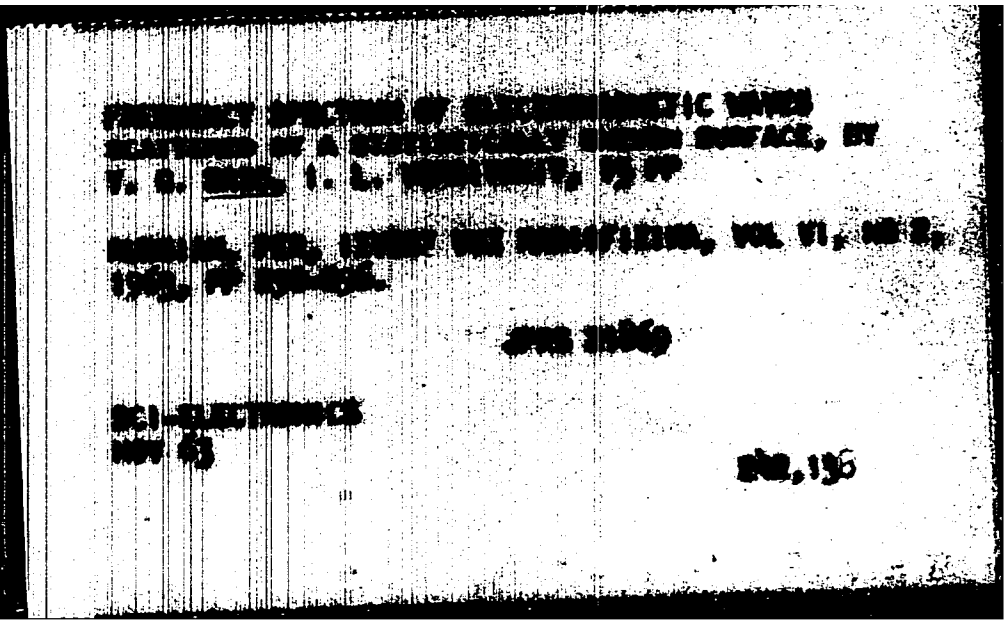

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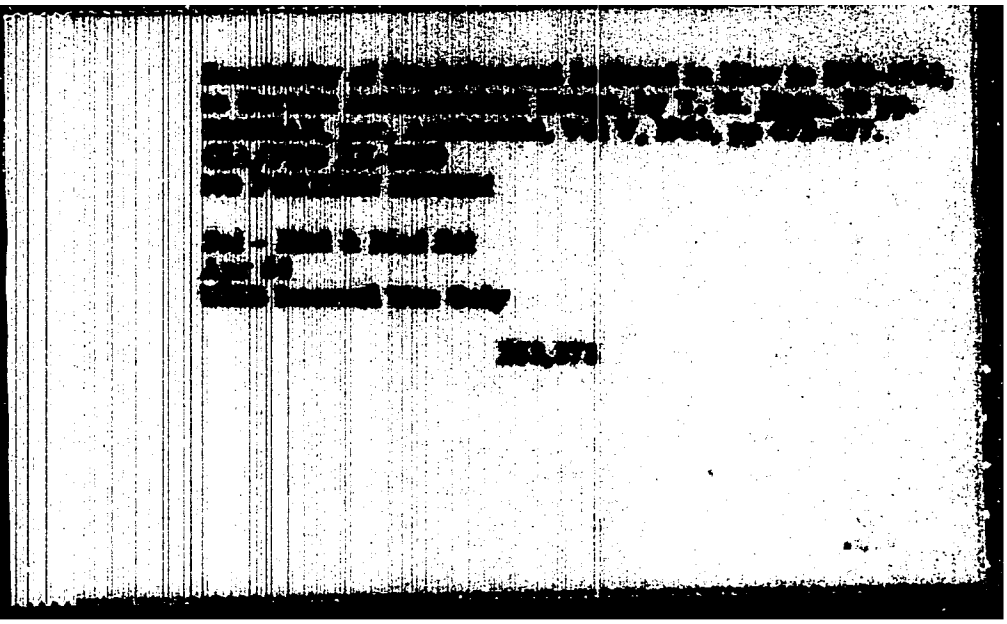

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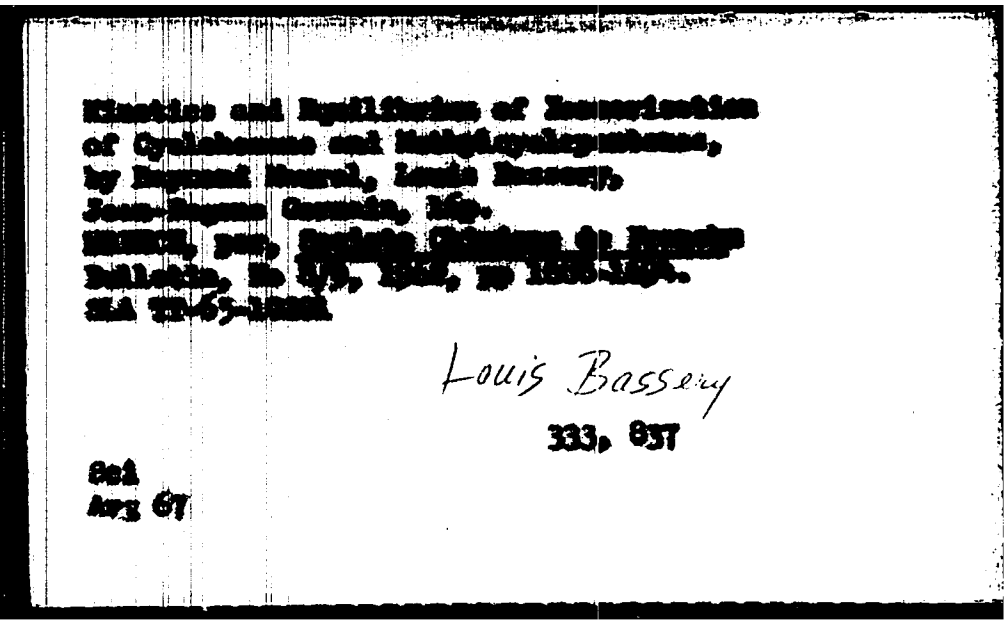

Louis Bassey

333, 8ST

Sel
Aug 67

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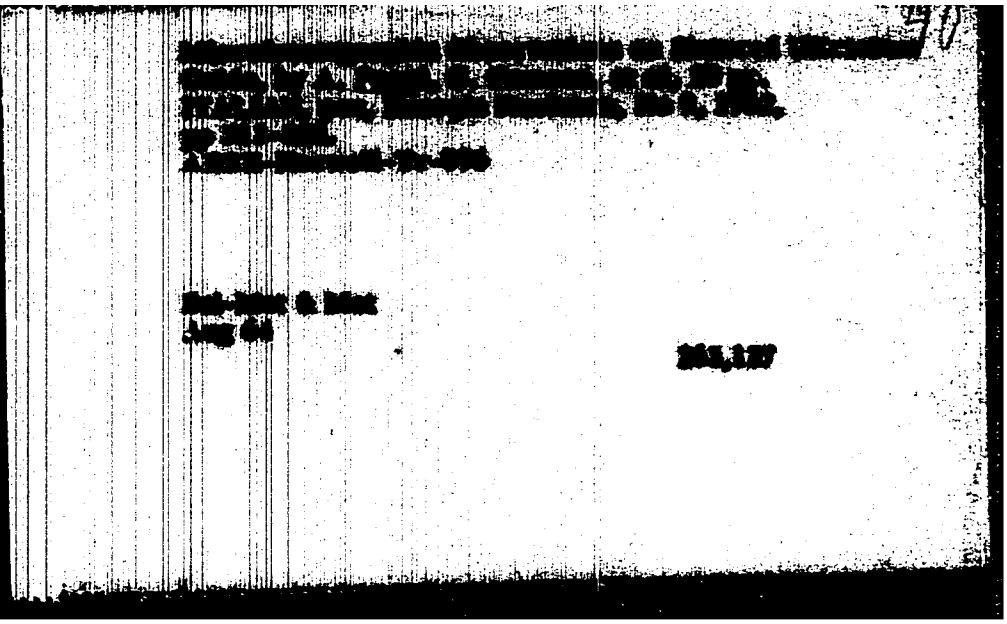

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ATS 68M441

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Bassi, A., Brutto, E. and others.
RESULTS OF CORROSION AND EROSION EXPERIMENTS WITH STEAM-WATER SPRAY. Special rept. no. 8. July 61 [100]p. 62 refs. CISE Rept R-40.
Order from OTS or SLA $8.60 EURAEC-151

Trans. of rept. from Centro Informazioni Studi Esperienze (Italy)

DESCRIPTORS: Power reactors, *Reactor coolants, Steam, Water, Mixtures, Corrosion research, Zirconium alloys, Alloys, Stainless steel, Corrosion, Tests.

This report is devoted to the enumeration of corrosion and erosion measurements for Zircaloy-2 and stainless steel tubes. An attempt is made to correlate the various parameters involved. (See also 62-24606)

(Nuclear Physics--Nuclear Engineering, TT, v. 8, no. 10)

62-24564

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IV. EURAEC-151
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CB26395

Office of Technical Services

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